

FIG. 1

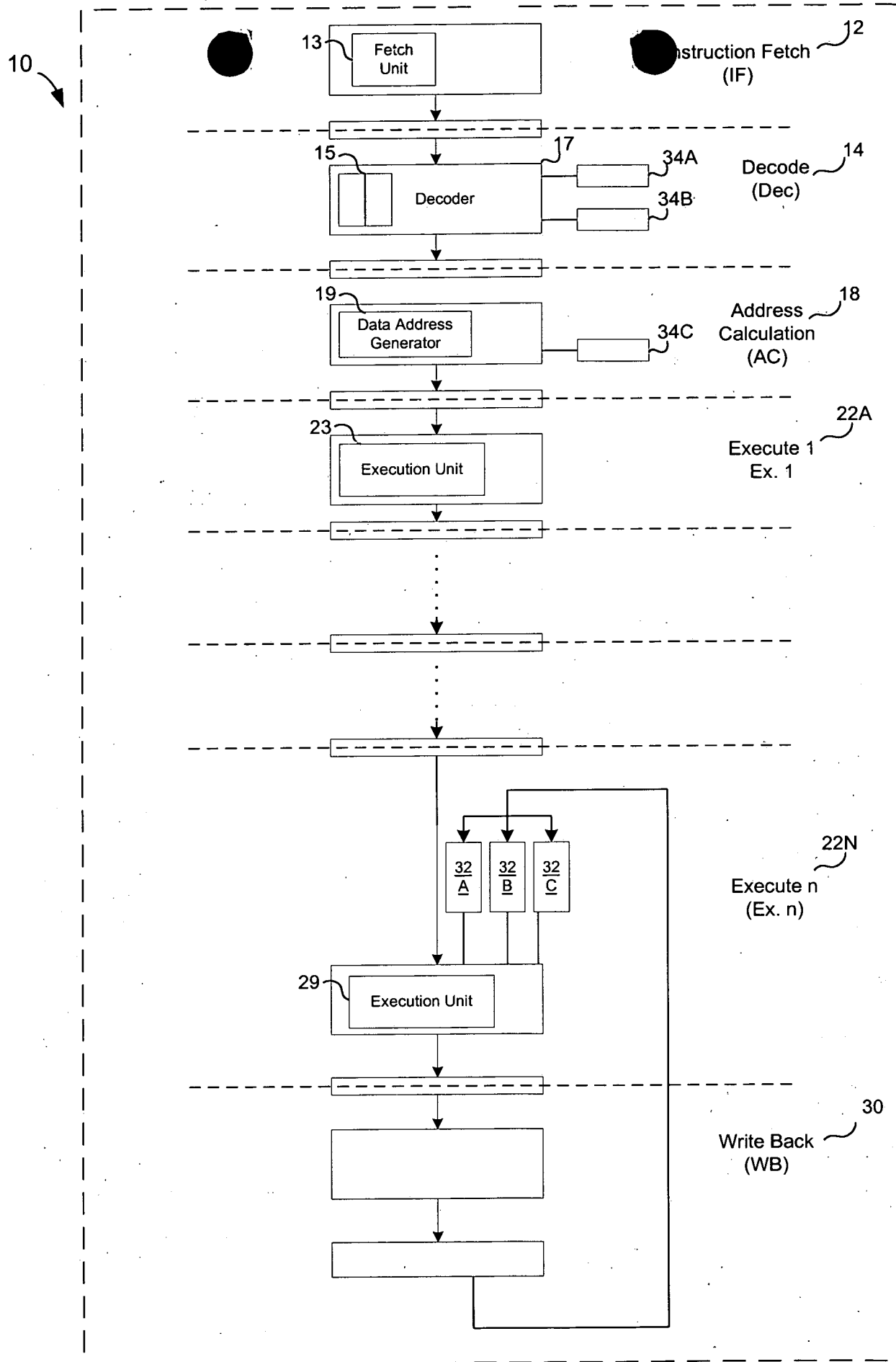


FIG. 2

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graph TD; Start([Start]) --> 38{Loop Setup Instruction Enter AC?}; 38 -- No --> 38; 38 -- Yes --> 39[Write Count Value to Early Count Register (ECnt)]; 39 --> 40[Calculate PC Relative to Top and Bottom Values]; 40 --> 41{Loop Setup Enter Ex. 1?}; 41 -- No --> 41; 41 -- Yes --> 42[Write Top Value to ETop and Bottom Value to EBot]; 42 --> End([End]);
```

The flowchart, labeled FIG. 1, illustrates the process of setting up a loop. It begins with a 'Start' terminal, leading to a decision diamond 38: 'Loop Setup Instruction Enter AC?'. If the answer is 'No', the flow loops back to the entry point before diamond 38. If 'Yes', the process proceeds to step 39: 'Write Count Value to Early Count Register (ECnt)'. This is followed by step 40: 'Calculate PC Relative to Top and Bottom Values'. The flow then enters another decision diamond 41: 'Loop Setup Enter Ex. 1?'. If 'No', it loops back to the entry point before diamond 41. If 'Yes', it proceeds to step 42: 'Write Top Value to ETop and Bottom Value to EBot', which finally leads to the 'End' terminal.

FIG. 3

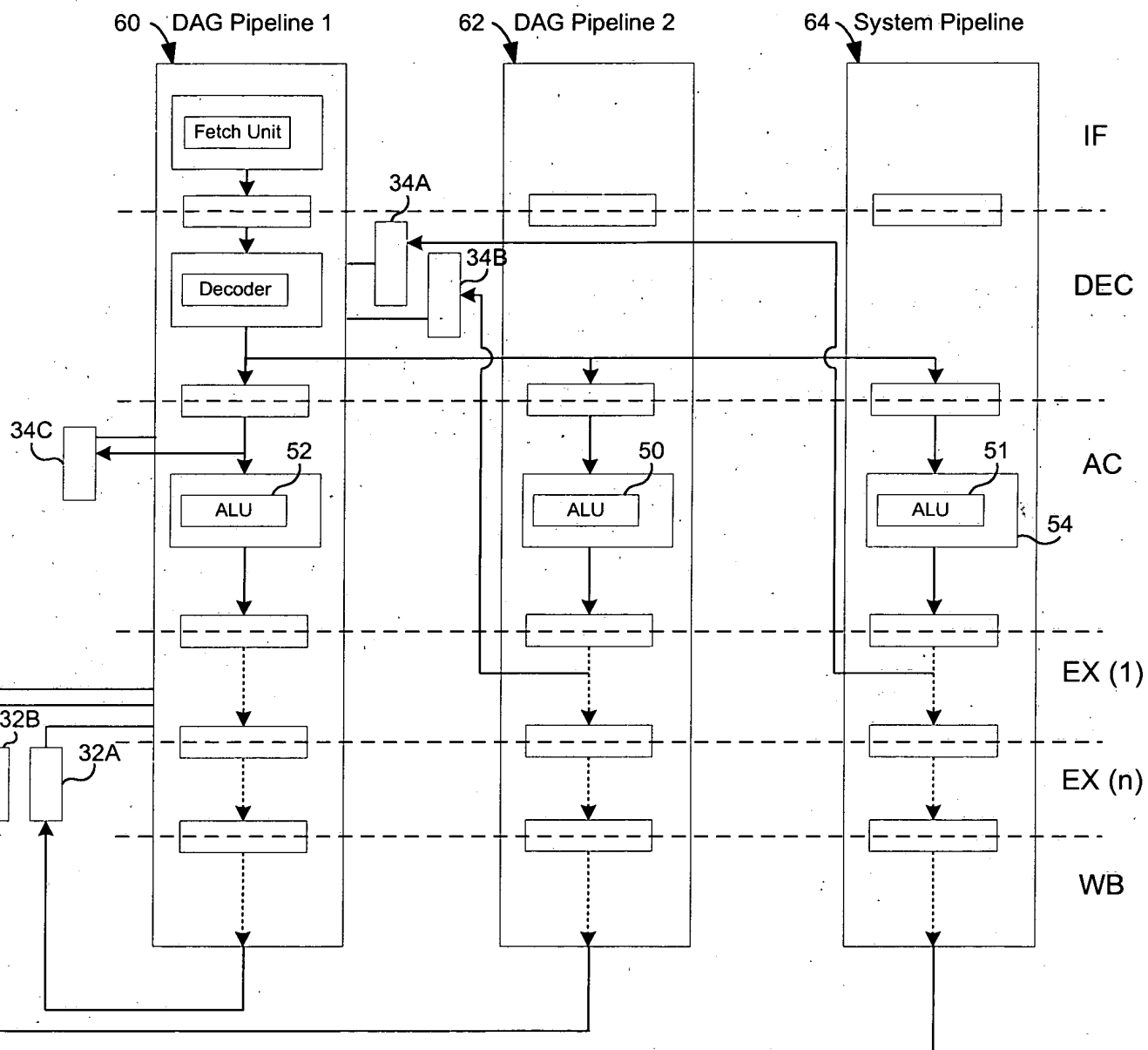


FIG. 4

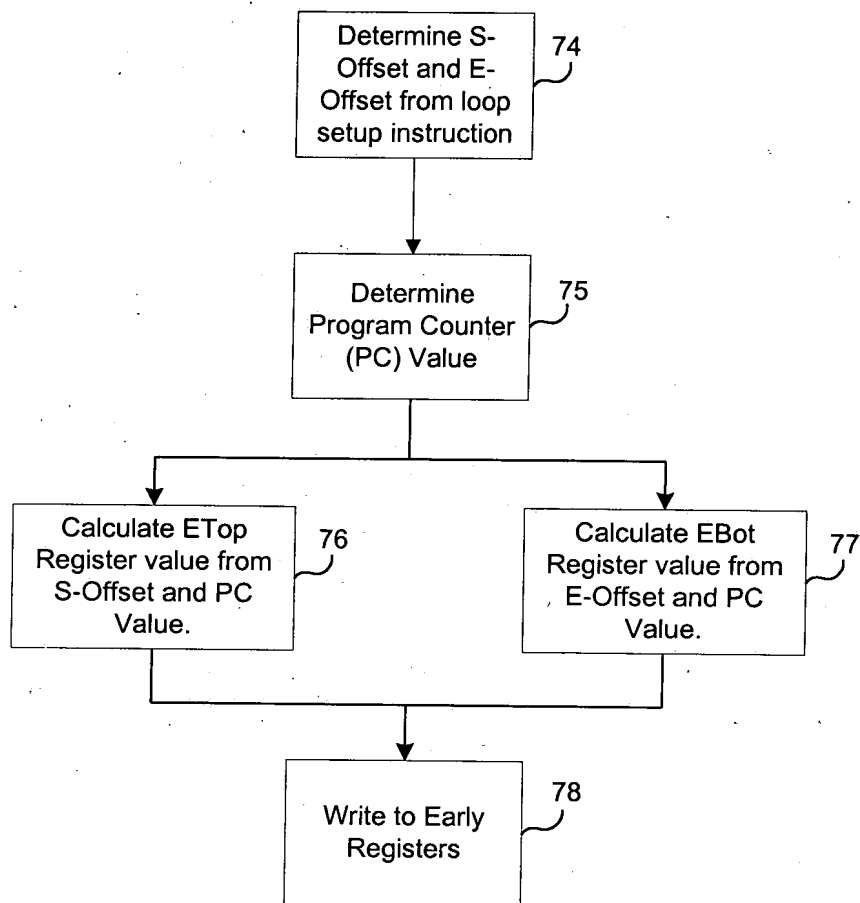


FIG. 5

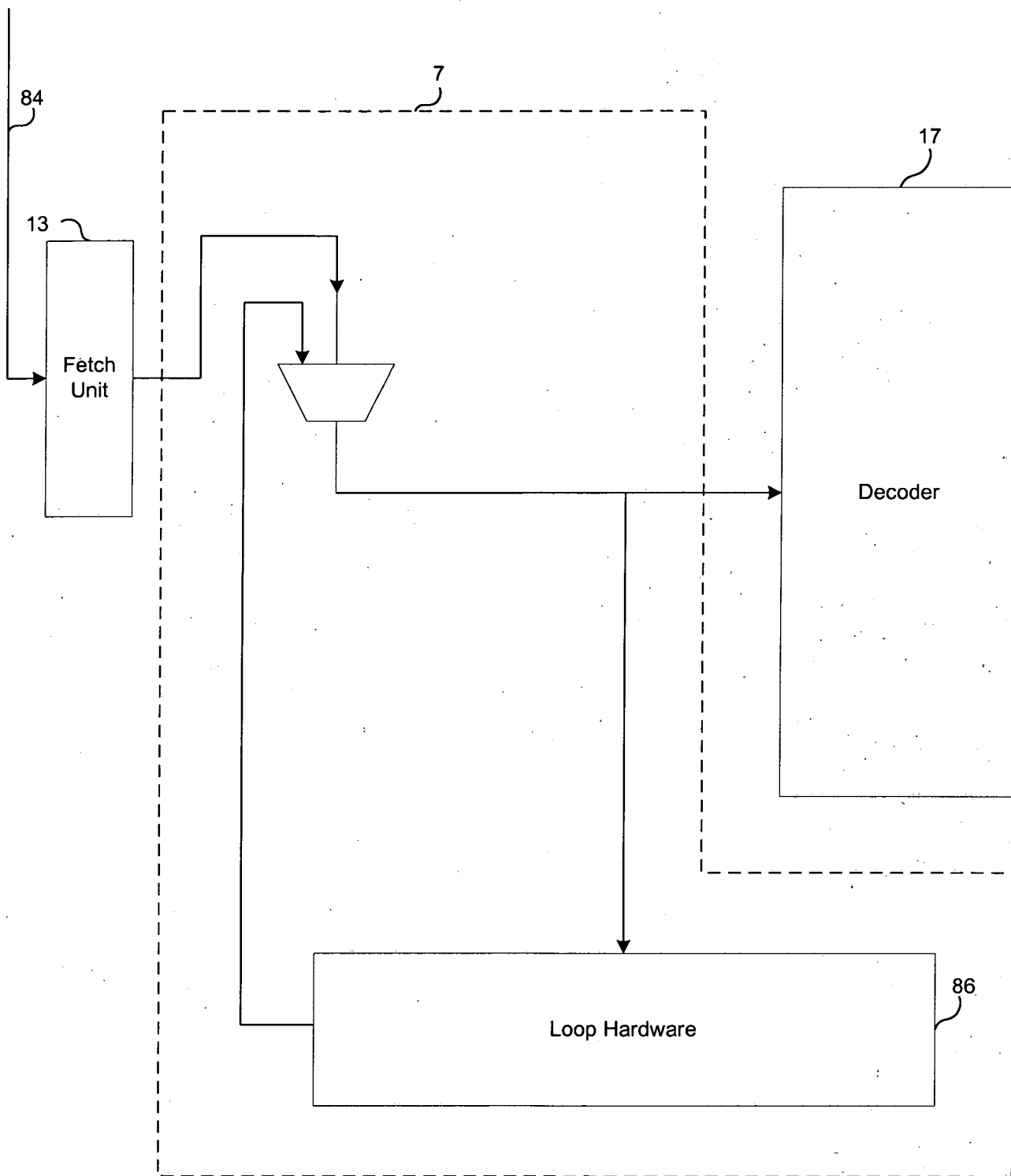


FIG. 6

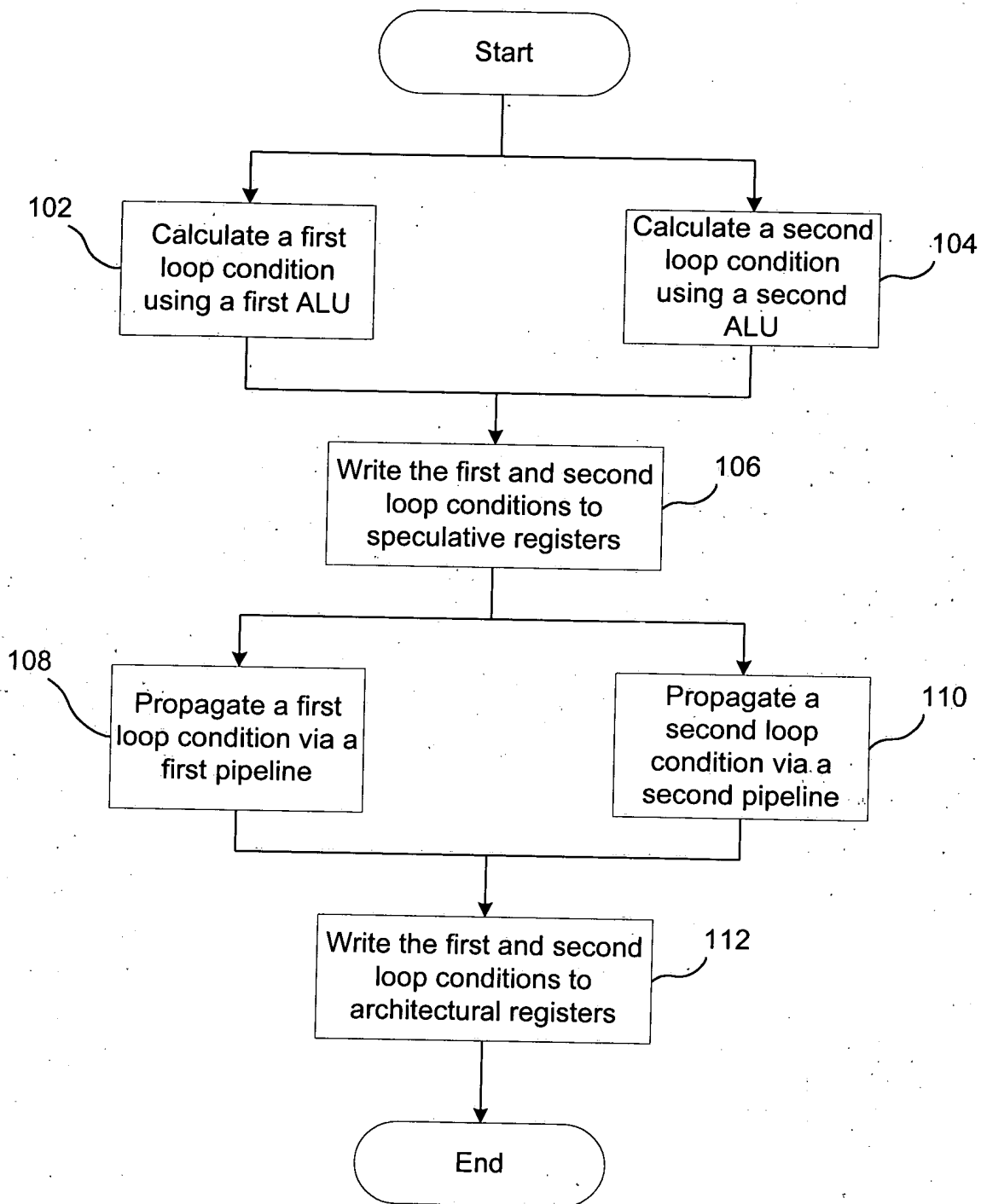


FIG. 7